

What is Claimed is:

1. A preventive and/or therapeutic agent for psychosis containing an inhibitor of epidermal growth factor receptor as the active ingredient.

5 2. The preventive and/or therapeutic agent according to claim 1, wherein the inhibition is a competitive inhibition on binding between epidermal growth factor receptor and epidermal growth factor.

3. A preventive and/or therapeutic agent for schizophrenia containing an inhibitor of epidermal growth factor receptor as the  
10 active ingredient.

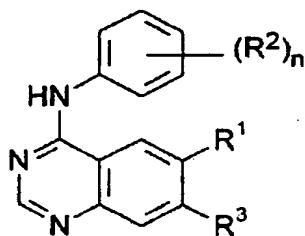
4. The preventive and/or therapeutic agent according to claim 3, wherein the inhibition is a competitive inhibition on binding between epidermal growth factor receptor and epidermal growth factor.

5. A preventive and/or therapeutic agent for cognitive  
15 abnormalities containing an inhibitor of epidermal growth factor receptor as the active ingredient.

6. The preventive and/or therapeutic agent according to claim 5, wherein the inhibition is a competitive inhibition on binding between epidermal growth factor receptor and epidermal growth factor.

20 7. The preventive and/or therapeutic agent according to claim 1 or claim 3 or claim 5 containing a quinazoline derivative having inhibitory activity to epidermal growth factor receptor represented by the chemical formula I, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as the effective  
25 ingredient,

<Formula I>

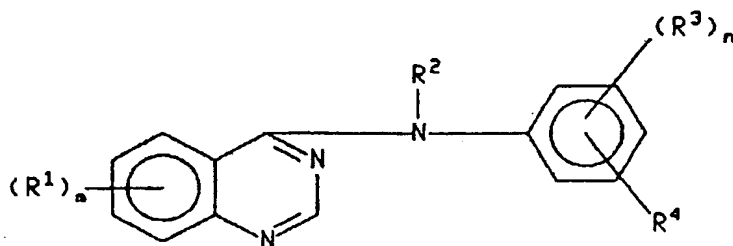


wherein n is 1, 2 or 3 and  $R^2$  is each independently halogen, trifluoromethyl, or (1-4C) alkoxy;  $R^3$  is (1-4C) alkoxy; and  $R^1$  is di-

[(1-4C)alkyl]amino-(2-4C)alkoxy, pyrrolidin-1-yl-(2-4C)alkoxy, piperidino-(2-4C)alkoxy, morpholino-(2-4C)alkoxy, piperazin-1-yl-(2-4C)alkoxy, 4-(1-4C)alkylpiperazin-1-yl-(2-4C)alkoxy, imidazol-1-yl-(2-4C)alkoxy, di-[(1-4C)alkoxy-(2-4C)alkyl]amino-(2-4C)alkoxy, 5 thiamorpholino-(2-4C)alkoxy, 1-oxothiamorpholino-(2-4C)alkoxy or 1,1-dioxothiamorpholino-(2-4C)alkoxy, and, wherein any of the above-mentioned R<sup>1</sup> substituents comprising a CH<sub>2</sub> (methylene) group which is not attached to N or O atom optionally bears a hydroxy substituent on said CH<sub>2</sub> group.

10 8. The preventive and/or therapeutic agent according to claim 1 or claim 3 or claim 5 containing a quinazoline derivative represented by the chemical formula II, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as the effective ingredient,

15 <Formula II>



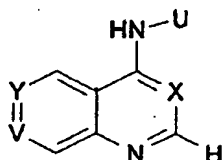
wherein; m is 1, 2, or 3; R<sup>1</sup> is each independently selected from the group consisting of hydrogen, halo, hydroxy, amino, hydroxyamino, carboxy, (C<sub>1</sub>-C<sub>4</sub>)alkoxycarbonyl, nitro, guanidino, ureido, carbamoyl, cyano, trifluoromethyl, (R<sup>6</sup>)<sub>2</sub>N-carbonyl, and phenyl-W-alkyl (wherein 20 W is selected from the group consisting of a single bond, O, S and NH); or R<sup>1</sup> is each independently selected from the group consisting of cyano-(C<sub>1</sub>-C<sub>4</sub>)-alkyl and R<sup>9</sup> (wherein R<sup>9</sup> is selected from the group consisting of R<sup>5</sup>, R<sup>5</sup>O, (R<sup>6</sup>)<sub>2</sub>N, R<sup>7</sup>C(=O), R<sup>5</sup>ONH, A and R<sup>5</sup>Y; R<sup>5</sup> is (C<sub>1</sub>-C<sub>4</sub>)alkyl; R<sup>6</sup> is hydrogen or R<sup>5</sup> wherein the R<sup>5</sup>s are the same or 25 different; R<sup>7</sup> is R<sup>5</sup>, R<sup>5</sup>O or (R<sup>6</sup>)<sub>2</sub>N; A is selected from the group consisting of piperidino-, morpholino, pyrrolidino and 4-R<sup>6</sup>-piperazin-1-yl, imidazol-1-yl, 4-pyridon-1-yl, carboxy-(C<sub>1</sub>-C<sub>4</sub>)-alkyl, phenoxy,

phenyl, phenylsulfanyl, (C<sub>2</sub>-C<sub>4</sub>)-alkenyl, (R<sup>6</sup>)<sub>2</sub>-N-carbonyl-(C<sub>1</sub>-C<sub>4</sub>)-alkyl; and Y is selected from the group consisting of S, SO, SO<sub>2</sub>; the alkyl moieties in R<sup>5</sup>, R<sup>5</sup>O and (R<sup>6</sup>)<sub>2</sub>N are halo or R<sup>9</sup> (wherein R<sup>9</sup> is defined as above) and wherein the resulting groups are optionally substituted with halo or R<sup>9</sup>, with the proviso that a nitrogen, oxygen or sulfur atom and another heteroatom can not be attached to the same carbon atom, and with the further proviso that no more than three "R<sup>9</sup>" units may comprise R<sup>1</sup>; or each R<sup>1</sup> is each independently selected from the group consisting of R<sup>5</sup>-sulfonylamino, phthalimido-(C<sub>1</sub>-C<sub>4</sub>)-alkylsulfonylamino, benzamido, benzenesulfonylamino, 3-phenylureido, 2-oxopyrrolidin-1-yl, 2,5-dioxopyrrolidin-1-yl, and R<sup>10</sup>-(C<sub>2</sub>-C<sub>4</sub>)-alkanoylamino (wherein R<sup>10</sup> is selected from halo, R<sup>6</sup>O, (C<sub>2</sub>-C<sub>4</sub>)-alkanoyloxy, R<sup>7</sup>C(=O), and (R<sup>5</sup>)<sub>2</sub>N; and wherein said benzamido or benzenesulfonylamino or phenyl or phenoxy or anilino or phenylsulfanyl substituent in R<sup>1</sup> may optionally bear one or two halogens, (C<sub>1</sub>-C<sub>4</sub>) alkyl, cyano, methansulfonyl or (C<sub>1</sub>-C<sub>4</sub>)-alkoxy substituents); or any two R<sup>1</sup>s taken together with the carbons to which they are attached may comprise a 5-8 membered ring comprising at least one or two heteroatoms selected from oxygen, sulfur or nitrogen; and wherein the alkyl groups and alkyl portions of the alkoxy or alkylamino groups may be straight chained or if comprised of at least three carbons may be branched or cyclic; R<sup>2</sup> is selected from hydrogen and optionally substituted (C<sub>1</sub>-C<sub>6</sub>)-alkyl; n is 1 or 2 and each R<sup>3</sup> is independently selected from hydrogen, optionally substituted (C<sub>1</sub>-C<sub>6</sub>)-alkyl, optionally substituted amino, halo, hydroxy, optionally substituted hydroxy; R<sup>4</sup> is azido or R<sup>11</sup>-ethynyl (wherein R<sup>11</sup> is selected from hydrogen, optionally substituted (C<sub>1</sub>-C<sub>6</sub>)alkyl, wherein the substituents are selected from the group consisting of hydrogen, amino, hydroxy, R<sup>5</sup>O, R<sup>5</sup>NH and (R<sup>5</sup>)<sub>2</sub>N.

9. The preventive and/or therapeutic agent according to claim 1 or claim 3 or claim 5 containing a quinazoline derivative having inhibitory activity to epidermal growth factor receptor represented by the chemical formula III, a stereoisomer thereof, a pharmaceutically-

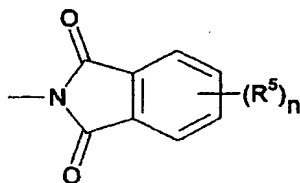
acceptable salt thereof, its hydrate or its solvate as the effective ingredient,

<Formula III>



- wherein X is N or CH; Y is CR<sup>1</sup> and V is N; or Y is N and V is CR<sup>1</sup>;  
 5 or Y is CR<sup>1</sup> and V is CR<sup>2</sup>; or Y is CR<sup>2</sup> and V is CR<sup>1</sup>; R<sup>1</sup> represents a group CH<sub>3</sub>SO<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>NHCH<sub>2</sub>-Ar-, (wherein Ar is selected from the group consisting of phenyl, furan, thiophene, pyrrole and thiazole, each of which may optionally be substituted by one or two halo, C<sub>1-4</sub> alkyl or C<sub>1-4</sub> alkoxy groups); R<sup>2</sup> is selected from the group consisting  
 10 of hydrogen, halo, hydroxy, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> alkylamino and di[C<sub>1-4</sub> alkyl]amino; U represents a phenyl, pyridyl, 3H-imidazolyl, indolyl, isoindolyl, indolinyl, isoindolinyl, 1H-indazolyl, 2,3-dihydro-1H-indazolyl, 1H-benzimidazolyl, 2,3-dihydro-1H-benzimidazolyl and 1H-benzotriazolyl group, substituted by an R<sup>3</sup> group and optionally  
 15 substituted by at least one R<sup>4</sup> group selected independently; R<sup>3</sup> is selected from a group consisting of benzyl, halo-, dihalo- and trihalobenzyl, benzoyl, pyridylmethyl, pyridylmethoxy, phenoxy, benzyloxy, halo-, dihalo- and trihalobenzyloxy and benzenesulphonyl; or R<sup>3</sup> represents trihalomethylbenzyl or trihalomethylbenzyloxy; or R<sup>3</sup>  
 20 represents a group of formula IV

<Formula IV>



- wherein each R<sup>5</sup> is independently selected from the group consisting of halogen, C<sub>1-4</sub> alkyl and C<sub>1-4</sub> alkoxy; and n is 0 to 3; each R<sup>4</sup> is  
 independently hydroxy, halogen, C<sub>1-4</sub> alkyl, C<sub>2-4</sub> alkenyl, C<sub>2-4</sub> alkynyl,  
 25 C<sub>1-4</sub> alkoxy, amino, C<sub>1-4</sub> alkylamino, di[C<sub>1-4</sub> alkyl]amino, C<sub>1-4</sub>

alkylthio, C<sub>1-4</sub> alkylsulphinyl, C<sub>1-4</sub> alkylsulphonyl, C<sub>1-4</sub> alkylcarbonyl, carboxy, carbamoyl, C<sub>1-4</sub> alkoxy carbonyl, C<sub>1-4</sub> alkanoylamino, N-(C<sub>1-4</sub> alkyl)carbamoyl, N,N-di(C<sub>1-4</sub> alkyl)carbamoyl, cyano, nitro and trifluoromethyl; with the proviso that the following compounds and

5 their hydrochloride salts are excluded:

(1-Benzyl-1H-indazol-5-yl)-(6-(5-((2-methanesulphonyl-ethylamino)-methyl)-furan-2-yl)-pyrido[3,4-d]pyrimidin-4-yl-amine;

(4-Benzyloxy-phenyl)-(6-(5-((2-methanesulphonyl-ethylamino)-methyl)-furan-2-yl)-pyrido[3,4-d]pyrimidin-4-yl-amine;

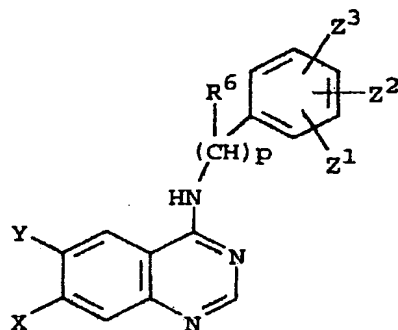
10 (1-Benzyl-1H-indazol-5-yl)-(6-(5-((2-methanesulphonyl-ethylamino)-methyl)-furan-2-yl)-quinazolin-4-yl-amine;

(1-Benzyl-1H-indazol-5-yl)-(7-(5-((2-methanesulphonyl-ethylamino)-methyl)-furan-2-yl)-quinazolin-4-yl-amine;

15 (1-Benzyl-1H-indazol-5-yl)-(6-(5-((2-methanesulphonyl-ethylamino)-methyl)-1-methyl-pyrrol-2-yl)-quinazolin-4-yl-amine).

10. The preventive and/or therapeutic agent according to claim 1 or claim 3 or claim 5 containing a quinazoline derivative having inhibitory activity to epidermal growth factor receptor represented by the chemical formula V, a stereoisomer thereof, a pharmaceutically-  
20 acceptable salt thereof, its hydrate or its solvate as the effective ingredient,

<Formula V>



wherein X is -D-E-F and Y is -SR<sup>4</sup>, -OR<sup>4</sup>, -NHR<sup>3</sup>, or hydrogen, or X is -SR<sup>4</sup>, -OR<sup>4</sup>, -NHR<sup>3</sup>, or hydrogen, and Y is -D-E-F ;

25 D is NR<sup>2</sup>-, -O-, -CHR<sup>2</sup>-, -NR<sup>2</sup>-NH-, -NR<sup>2</sup>-O-, -CHR<sup>2</sup>-O-, -CHR<sup>2</sup>-CH<sub>2</sub>-, -CHR<sup>2</sup>-CH<sub>2</sub>-, NH-CHR<sup>2</sup>-, -O=CHR<sup>2</sup>-, -S-CHR<sup>2</sup>-, or D does not exist;

E is -CO-, -SO<sub>2</sub>-, -PO(OR<sup>2</sup>)-, or -SO-;

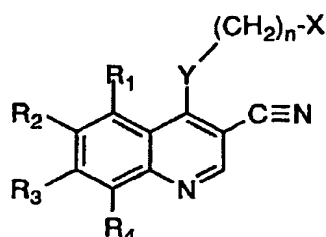
F is -CR<sup>1</sup>=CHR<sup>5</sup>-, -C≡C-R<sup>5</sup>-, -CR<sup>1</sup>=C=CHR<sup>5</sup>;

with the proviso that when E is -SO- or -SO<sub>2</sub>-, D is not -NH-CHR<sup>2</sup>-, or -O=CHR<sup>2</sup>;

- 5 R<sup>1</sup> is hydrogen, halogen, or C<sub>1</sub>-C<sub>6</sub> alkyl;  
R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup> are independently hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, -(CH<sub>2</sub>)<sub>n</sub>-N-piperidiny1, -(CH<sub>2</sub>)<sub>n</sub>-N-piperaziny1, -(CH<sub>2</sub>)<sub>n</sub>-N<sub>1</sub>-piperaziny1 [N<sub>4</sub>-(C<sub>1</sub>-C<sub>6</sub>)alkyl] , -(CH<sub>2</sub>)<sub>n</sub>-N-pyrrolidy1, -(CH<sub>2</sub>)<sub>n</sub>-N-pyridiny1,
- 10 -(CH<sub>2</sub>)<sub>n</sub>-N-imidazoy1, -(CH<sub>2</sub>)<sub>n</sub>-imidazoy1 -(CH<sub>2</sub>)<sub>n</sub>-N-morpholino, -(CH<sub>2</sub>)<sub>n</sub>-N-thiomorpholino, -(CH<sub>2</sub>)<sub>n</sub>-N-hexahydroazepine or substituted C<sub>1</sub>-C<sub>6</sub> alkyl, wherein the substituents are selected from -OH, -NH<sub>2</sub>, or -NA-B, A
- 15 and B are independently hydrogen, C<sub>1</sub>-C<sub>6</sub> alkyl, -(CH<sub>2</sub>)<sub>n</sub>OH, -(CH<sub>2</sub>)<sub>n</sub>-N-piperidiny1, -(CH<sub>2</sub>)<sub>n</sub>-N-piperaziny1, -(CH<sub>2</sub>)<sub>n</sub>-N<sub>1</sub>-piperaziny1[N<sub>4</sub>-(C<sub>1</sub>-C<sub>6</sub> alkyl)], -(CH<sub>2</sub>)<sub>n</sub>-N-pyrrolidy1, -(CH<sub>2</sub>)<sub>n</sub>-N-pyridyl, -(CH<sub>2</sub>)<sub>n</sub>-imidazoy1 or -(CH<sub>2</sub>)<sub>n</sub>-N-imidazoy1; Z<sup>1</sup>, Z<sup>2</sup>, or Z<sup>3</sup> are independently hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>8</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkoxy, C<sub>3</sub>-C<sub>8</sub>
- 20 cycloalkoxy, nitro, C<sub>1</sub>-C<sub>6</sub> perfluoroalkyl, hydroxy, C<sub>1</sub>-C<sub>6</sub> acyloxy, -NH<sub>2</sub>, -NH(C<sub>1</sub>-C<sub>6</sub> alkyl), -N(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>2</sub>, -NH(C<sub>3</sub>-C<sub>8</sub> cycloalkyl), -N(C<sub>3</sub>-C<sub>8</sub> cycloalkyl)<sub>2</sub>, hydroxymethyl, C<sub>1</sub>-C<sub>6</sub> acyl, cyano, azido, C<sub>1</sub>-C<sub>6</sub> thioalkyl, C<sub>1</sub>-C<sub>6</sub> sulfinylalkyl, C<sub>1</sub>-C<sub>6</sub> sulfonylalkyl, C<sub>3</sub>-C<sub>8</sub> thiocycloalkyl, C<sub>3</sub>-C<sub>8</sub> sulfinylcycloalkyl, C<sub>3</sub>-C<sub>8</sub> sulfonylcycloalkyl,
- 25 mercapto, C<sub>1</sub>-C<sub>6</sub> alkoxycarbonyl, C<sub>3</sub>-C<sub>8</sub> cycloalkoxycarbonyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, C<sub>4</sub>-C<sub>8</sub> cycloalkenyl, or C<sub>2</sub>-C<sub>4</sub> alkynyl; and R<sup>5</sup> is hydrogen, halogen, C<sub>1</sub>-C<sub>6</sub>-perfluoroalkyl, 1,1-difluoro(C<sub>1</sub>-C<sub>6</sub>)alkyl, C<sub>1</sub>-C<sub>6</sub>alkyl, -(CH<sub>2</sub>)<sub>n</sub>-N-piperidiny1, -(CH<sub>2</sub>)<sub>n</sub>-piperaziny1, -(CH<sub>2</sub>)<sub>n</sub>-piperaziny1[N<sub>4</sub>-(C<sub>1</sub>-C<sub>6</sub>)alkyl], -(CH<sub>2</sub>)<sub>n</sub>-N-pyrrolidy1, -(CH<sub>2</sub>)<sub>n</sub>-pyridiny1, -(CH<sub>2</sub>)<sub>n</sub>-N-
- 30 imidazoy1, -(CH<sub>2</sub>)<sub>n</sub>-N-morpholino, -(CH<sub>2</sub>)<sub>n</sub>-N-thiomorpholino, -CH=CH<sub>2</sub>, -CH=CH-(C<sub>1</sub>-C<sub>6</sub>), N-hexahydroazepine, -(CH<sub>2</sub>)<sub>n</sub>NH<sub>2</sub>, -(CH<sub>2</sub>)<sub>n</sub>NH(C<sub>1</sub>-C<sub>6</sub> alkyl), -(CH<sub>2</sub>)<sub>n</sub>-N(C<sub>1</sub>-C<sub>6</sub> alkyl)<sub>2</sub>, -1-oxo(C<sub>1</sub>-C<sub>6</sub>)alkyl, carboxy, (C<sub>1</sub>-C<sub>6</sub>)alkyloxycarbonyl, N-(C<sub>1</sub>-C<sub>6</sub>)alkylcarbamoyl, phenyl

or substituted phenyl, wherein the substituted phenyl may have from one to three substituents independently selected from  $Z^1$ ,  $Z^2$ ,  $Z^3$  or a monocyclic heteroaryl group, and each  $C_1$ - $C_6$  alkyl group may be substituted with -OH, -NH<sub>2</sub> or -NAB, (wherein A and B are as defined above),  $R^6$  is hydrogen or  $C_1$ - $C_6$  alkyl; and n is 1 to 4, p is 0 or 1.

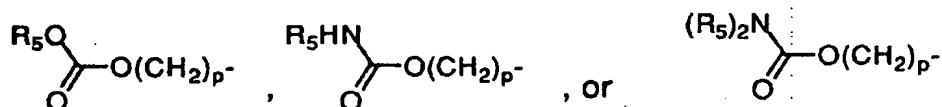
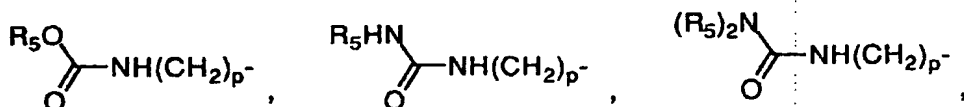
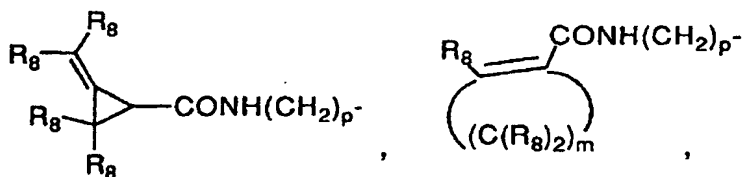
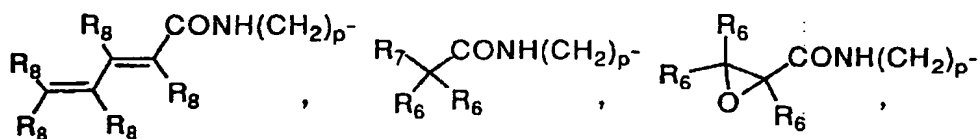
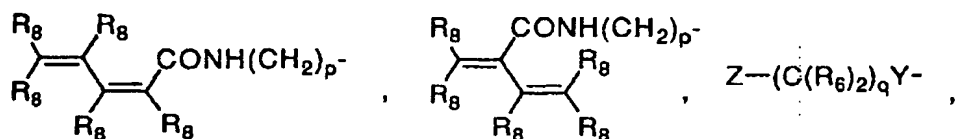
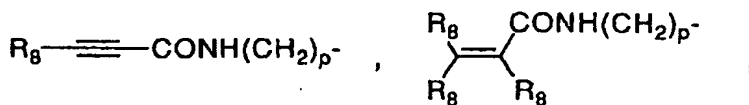
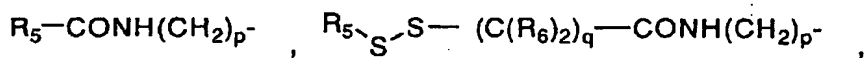
11. The preventive and/or therapeutic agent according to claim 1 or claim 3 or claim 5 containing a compound having inhibitory activity to epidermal growth factor receptor represented by the chemical formula VI, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as the effective ingredient,  
<Formula VI>



wherein X is cycloalkyl of 3 to 7 carbon atoms, which may be optionally substituted with one or more alkyl groups having 1 to 6 carbon atom; or is a pyridinyl, pyrimidinyl, or phenyl ring; wherein the pyridinyl, pyrimidinyl, or phenyl ring may be optionally mono- di-, or tri-substituted with a substituent selected from the group consisting of halogen, alkyl of 1-6 carbon atoms, alkenyl of 2-6 carbon atoms, alkynyl of 2-6 carbon atoms, azido, hydroxyalkyl of 1-6 carbon atoms, halomethyl, alkoxymethyl of 2-7 carbon atoms, alkanoyloxymethyl of 2-7 carbon atoms, alkoxy of 1-6 carbon atoms, alkylthio of 1-6 carbon atoms, hydroxy, trifluoromethyl, cyano, nitro, carboxy, carboalkoxy of 2-7 carbon atoms, carboalkyl of 2-7 carbon atoms, phenoxy, phenyl, thiophenoxy, benzoyl, benzyl, amino, alkylamino of 1-6 carbon atoms, dialkylamino of 2 to 12 carbon atoms, phenylamino, benzylamino, alkanoylamino of 1-6 carbon atoms, alkenoylamino of 3-8 carbon atoms, alkynoylamino of 3-8 carbon atoms, and benzoylamino; n is 0-1; Y is -NH-, -O-, -S-, or -NR-; R is alkyl of 1-6 carbon atoms;  $R_1$ ,  $R_2$ ,

R<sub>3</sub>, and R<sub>4</sub> are each independently, hydrogen, halogen, alkyl of 1-6 carbon atoms, alkenyl of 2-6 carbon atoms, alkynyl of 2-6 carbon atoms, alkenyloxy of 2-6 carbon atoms, alkynyloxy of 2-6 carbon atoms, hydroxymethyl, halomethyl, alkanoyloxy of 1-6 carbon atoms, 5 alkenoyloxy of 3-8 carbon atoms, alkynoyloxy of 3-8 carbon atoms, alkanoyloxymethyl of 2-7 carbon atoms, alkenoyloxymethyl of 4-9 carbon atoms, alkynoyloxymethyl of 4-9 carbon atoms, alkoxymethyl of 2-7 carbon atoms, alkoxy of 1-6 carbon atoms, alkylthio of 1-6 carbon atoms, alkylsulphinyl of 1-6 carbon atoms, alkylsulphonyl of 1- 10 6 carbon atoms, alkylsulfonamido of 1-6 carbon atoms, alkenylsulfonamido of 2-6 carbon atoms, alkynylsulfonamido of 2-6 carbon atoms, hydroxy, trifluoromethyl, cyano, nitro, carboxy, carboalkoxy of 2-7 carbon atoms, carboalkyl of 2-7 carbon atoms, phenoxy, phenyl, thiophenoxy, benzyl, amino, hydroxyamino, alkoxyamino of 1-4 carbon 15 atoms, alkylamino of 1-6 carbon atoms, dialkylamino of 2 to 12 carbon atoms, aminoalkyl of 1-4 carbon atoms, N-alkylaminoalkyl of 2-7 carbon atoms, N,N-dialkylaminoalkyl of 3-14 carbon atoms, phenylamino, benzylamino,



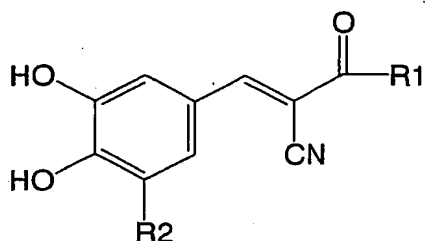


wherein,  $R_5$  is alkyl of 1-6 carbon atoms, alkyl optionally substituted with one or more halogen atoms; phenyl, or phenyl optionally substituted with one or more halogen, alkoxy of 1-6 carbon atoms, trifluoromethyl, amino, nitro, cyano, or alkyl of 1-6 carbon atoms groups;  $R_6$  is hydrogen, alkyl of 1-6 carbon atoms, or alkenyl of 2-6 carbon atoms;  $R_7$  is chloro or bromo;  $R_8$  is hydrogen, alkyl of 1-6 carbon atoms, aminoalkyl of 1-6 carbon atoms, N-alkylaminoalkyl of 2-

9 carbon atoms, N,N-dialkylaminoalkyl of 3-12 carbon atoms, N-cycloalkylaminoalkyl of 4-12 carbon atoms, N-cycloalkyl-N-alkylaminoalkyl of 5-18 carbon atoms, N,N-dicycloalkylaminoalkyl of 7-18 carbon atoms, morpholino-N-alkyl (wherein the alkyl group has 1-6 carbon atoms), piperidino-N-alkyl (wherein the alkyl group has 1-6 carbon atoms), N-alkyl-piperidino-N-alkyl (wherein either alkyl group has 1-6 carbon atoms), azacycloalkyl-N-alkyl of 3-11 carbon atoms, hydroxyalkyl of 1-6 carbon atoms, alkoxyalkyl of 2-8 carbon atoms, carboxy, carboalkoxy of 1-6 carbon atoms, phenyl, carboalkyl of 2-7 carbon atoms, chloro, fluoro, or bromo; Z is amino, hydroxy, alkoxy of 1-6 carbon atoms, alkylamino (wherein the alkyl moiety has 1-6 carbon atoms), dialkylamino (wherein each of the alkyl moieties has 1-6 carbon atoms), morpholino, piperazino, N-alkylpiperazino (wherein the alkyl moiety has 1-6 carbon atoms), or pyrrolidino; m = 1-4, q = 1-3, and p = 0-3; any of the substituents R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, or R<sub>4</sub> that are located on contiguous carbon atoms may together be the divalent group -O-C(R<sub>8</sub>)<sub>2</sub>-O- (with the proviso that when Y is -NH-, R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> are hydrogen, and when n is 0, X is not 2-methylphenyl).

12. The preventive and/or therapeutic agent according to claim 1 or claim 3 or claim 5 containing a cinnamide derivative represented by the chemical formula VII, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as the effective ingredient,

<Formula VII>

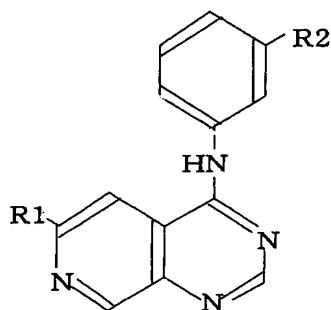


wherein R<sub>1</sub> is preferably hydroxy, amino, alkylamino or phenyl amino group and R<sub>2</sub> is preferably hydrogen, hydroxyl, nitro or t-butyl group.

13. The preventive and/or therapeutic agent according to claim 1

or claim 3 or claim 5 containing a pyridopyrimidine derivative represented by the chemical formula VIII, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as the effective ingredient,

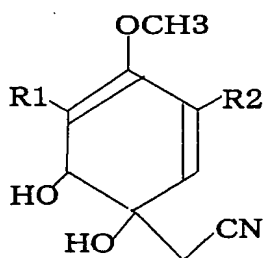
5 <Formula VIII>



wherein R1 is preferably hydroxyl, amino, lower alkylamino, amide, alkylamide, alkenesulfinyl, or alkeneoxyamino group and R2 is preferably hydrogen or acetylene group.

14. The preventive and/or therapeutic agent according to claim 1  
10 or claim 3 or claim 5 containing a tyrosine derivative represented by the chemical formula IX, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as the effective ingredient,

<Formula IX>



15 wherein R1 and R2 are preferably halogen atoms.

15. The preventive and/or therapeutic agent according to (1) or (3) or (5) containing 4-(3-chloro-4-fluoroanilino)-7-methoxy-6-(3-morpholinopropoxy)quinazoline, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as  
20 the effective ingredient.

16. The preventive and/or therapeutic agent according to (1) or (3) or (5) containing {4-(3-bromophenyl)anilino}-6,7-diamino quinazoline, a stereoisomer thereof, a pharmaceutically-acceptable salt thereof, its hydrate or its solvate as the effective ingredient.